



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Activity No.: PER20030004

Agency Interest No. 2049

Mr. Mike Cohen
BASF Corporation
Post Office Box 457
Geismar, Louisiana 70734-0457

RE: Operating permit renewal/modification, Boilers No. 3 and No. 6, Utilities Plant, BASF Corporation, Geismar, Ascension Parish, Louisiana

Dear Mr. Cohen:

This is to inform you that the permit renewal/modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2012, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2007.

Permit No.: 2564-V2

Sincerely,

Chuck Carr Brown Ph.D.
Assistant Secretary

CCB:mv
c: EPA Region VI

ENVIRONMENTAL SERVICES
PO BOX 4313, BATON ROUGE, LA 70821-4313
P:225-219-3181 F:225-219-3309
WWW.DEQ.LOUISIANA.GOV

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
BASF CORPORATION, UTILITIES PLANT # 3 AND 6 BOILERS
PROPOSED PART 70 AIR OPERATING RENEWAL/MODIFICATION PERMIT

The LDEQ, Office of Environmental Services, is accepting written comments on a proposed Part 70 air operating permit renewal/modification for BASF Corporation, P.O. Box 457, Geismar, LA 70734 for the the Utilities Boilers No. 3 and No. 6. **The facility is located at 8404 River Road, Geismar, Ascension Parish.**

BASF operates an integrated chemical manufacturing facility. The BASF Geismar Facility produces amine compounds, ethylene oxide, aniline, ethylene glycol, glyoxal, 1,4-butanediol, vinylpyrrolidone, polyvinylpyrrolidone, n-methyl pyrrolidone, toluene diisocyanate, tetrahydrofuran, polytetrahydrofuran, polyols, butyrolactone, methylene bis phenylisocyanate, acetylene and surfactants.

The Utilities Plant provides steam, electricity, compressed air, and process water to the facility. Boilers No. 3 and No. 6 of the plant are fueled by natural gas and liquid waste from the processes, such as, mixed alcohols and TDA Vicinals. The boilers have the capability to burn No. 2 and No. 6 fuel oil. This option shall be selected only when natural gas becomes unavailable or economically infeasible. BASF Corporation has requested the modification of the Utilities Boilers No. 3 and No. 6 as follows:

1. The change of name of Boilers No. 3 and No. 6 emission points from 3-57 and 1-75 to UTL15 and UTL16, respectively.
2. The deletion of Part 70 specific conditions 5 and 7 as these conditions do not apply.
3. The deletion of "Use of Flue Gas Oxygen Monitors for Combustion Controls" as these conditions are not applicable.
4. The addition of a fugitive emission, Emission Point UTL18.
5. The modification of Part 70 specific condition 6 as LAC 33:III.1101 or 1313 does not require weekly visual inspections for opacity.
6. The revision of emission limits from the facility's remaining emission point sources based on updated emission factors and/or current facility conditions.

Estimated emissions in tons per year are as follows:

Emissions Summary (Tons Per Year)			
Pollutant	Before	After	Change
PM ₁₀	27.85	21.73	-6.12
SO ₂	2.51	1.49	-1.02
NO _x	958.16	453.76	-504.40
CO	104.37	208.95	+104.58*
VOC	16.13	15.94	-0.19

*Increase in CO emissions is due to change in AP-42 emission factor from 40 to 86.

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Thursday, April 19, 2007.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The permit application, Part 70 air operating renewal/modification permit and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.**

Additional copies may be reviewed at Ascension Parish Library, Gonzales Branch, 708 South Irma Boulevard, Gonzales, LA 70737 and at the Iberville Parish Library, East Iberville Branch, 5715 Monticello Street, St. Gabriel, LA 70776.

Inquiries or requests for additional information regarding this permit action should be directed to Dr. Marta Vasquez, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3130.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at maillistrequest@ldeq.org or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.state.la.us/news/PubNotice/ and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabcid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.state.la.us/ldbc/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number AI 2049, Permit Number 2564-V2, and Activity Number PER20030004.

Scheduled Publication Date: March 16, 2007

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Utilities Boilers No. 3 and No. 6 - Geismar Site
Agency Interest No.: 2049; PER20030004
BASF Corporation
Geismar, Ascension Parish, Louisiana**

I. Background

BASF operates an integrated chemical manufacturing facility on the east bank of the Mississippi River, near Geismar. The No. 3 and No. 6 Boilers previously operated under RCRA Boiler and Industrial Furnace (BIF) regulations and Part 70 Operating Permit Number 2564-V0. Currently the facility operates under Permit 2564-V1 dated November 22, 2000.

This is the Part 70 operating permit renewal/modification for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by BASF Corporation on February 27, 2003 requesting a Part 70 operating permit. Additional information dated March 6, 2003, January 26, 2007, and February 7, 2007 was also received.

III. Description

The BASF Geismar Facility produces amine compounds, ethylene oxide, aniline, ethylene glycol, glyoxal, 1,4-butanediol, vinylpyrrolidone, polyvinylpyrrolidone, n-methyl pyrrolidone, toluene diisocyanate, tetrahydrofuran, polytetrahydrofuran, polyols, butyrolactone, methylene bis phenylisocyanate, acetylene and surfactants.

The Utilities Plant provides steam, electricity, compressed air, and process water to the facility. Boilers No. 3 and No. 6 of the plant are fueled by natural gas and liquid waste from the processes, such as, mixed alcohols and TDA Vicinals. The boilers have the capability to burn No. 2 and No. 6 fuel oil. This option shall be selected only when natural gas becomes unavailable or economically infeasible.

BASF proposes to modify the Utilities Boilers No. 3 and No. 6 as follows:

1. The change of name of Boilers No. 3 and No. 6 emission points from 3-57 and 1-75 to UTL15 and UTL16, respectively.
2. The deletion of Part 70 specific conditions 5 and 7 as these conditions do not apply.
3. The deletion of "Use of Flue Gas Oxygen Monitors for Combustion Controls as these conditions are not applicable.
4. The addition of a fugitive emission, Emission Point UTL18.
5. The modification of Part 70 specific condition 6 as LAC 33:III.1101 or 1313 does not require weekly visual inspections for opacity.
6. The revision of emission limits from the facility's remaining emission point sources based on updated emission factors and/or current facility conditions.

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Estimated emissions in tons per year are as follows:

Emissions Summary (Tons Per Year)

Pollutant	Before	After	Change
PM ₁₀	27.85	21.73	-6.12
SO ₂	2.51	1.49	-1.02
NO _x	958.16	453.76	-504.40
CO	104.37	208.95	+104.58 [§]
VOC*	16.13	15.94	-0.19

[§]Increase in CO emissions is due to change in AP-42 emission factor from 40 to 86.

***VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
2,2-Toluene diamine [†]	1.81	2.18	+0.37
Formaldehyde	-	0.19	+0.19
Methanol	4.97	5.83	+0.86
n-Butyl alcohol	2.19	2.82	+0.63
n-Hexane	-	4.47	+4.47
ortho-Tolidine	-	0.02	+0.02
Sulfur trioxide	-	0.06	+0.06
Total	8.97	15.57	+6.60

[†]This is a mixed isomer composed of 80% 2,4-toluene diamine and 20% 2,4-toluene diamine.

The CO emission increases are due to AP-42 emissions factor increases. The NO_x emission decreases are due to installation of dry-low NO_x burners in boiler No. 3.

IV. Type of Review

This permit was reviewed for compliance with the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) and Non-attainment New Source Review (NNSR) do not apply.

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BASF Corporation
Geismar, Ascension Parish, Louisiana**

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2007; and in the Gonzales Weekly, Gonzales, on <date>, 2007. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: None

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})
-	-	-	-
-	-	-	-

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**Utilities Boilers No. 3 and No. 6 - Geismar Site
Agency Interest No.: 2049; PER20030004
BASF Corporation
Geismar, Ascension Parish, Louisiana**

VIII. General Condition XVII Activities

ID	Description	Emissions (tons/year)					
		PM ₁₀	SO ₂	CO	NO _x	VOC	SO ₃
GC XVII – 1	Fuel Oil Test Firing	<0.1	1.0	<0.1	1.0	<0.1	<0.1

IX. Insignificant Activities

There are no insignificant activities at this site.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Utilities Boilers No. 3 and No. 6 - Geismar Site
 Agency Interest No.: 2049; PER20030004
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ID No.:	Description	LAC 33:II. Chapter																
		5▲	9	11	13	15	2103	2104*	2107	2111	2113	2116*	2122	2201	29*	51*	53*	56
	Plant Wide	1	1	1	1					1					1	1	1	1
EQT 161	UTL15 – No. 3 Boiler			1	1	2									2	1		
EQT 162	UTL16 – No. 6 Boiler			1	1	2									2	1		
FUG009	UTL 18- Boilers No. 3 & No. 6 Fugitives														3			1

* The regulations indicated above are State Only regulations.
 ▲ All LAC 33:II Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
 -The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

KEY TO MATRIV

- 1 - The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
 - 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
 - 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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Geismar, Ascension Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
GRP075 Entire Facility	NESHAP Subpart FF – National Emission Standards for benzene waste Operations 40 CFR 61.356(a) and (b)(1) and 61.357(a) and (b) or (c)	EXEMPT – The facility handles less than 10 Mg/year of benzene waste. Recordkeeping and reporting requirements apply. The facility must maintain records and report as required by 40 CFR 61.355(a)(4) or (5).
EQT161	Emission Standards for Sulfur Dioxide – Emission Limitations LAC 33:III.1503	EXEMPT – Unit emit less than 250 tons of SO ₂ per year. Record and retain at the site for at least 2 years the data required to demonstrate compliance with or exemption from SO ₂ standards of Chapter 15. Compliance data shall be reported annually in accordance with LAC 33:III.918.
	Control of Emissions of Nitrogen Oxides (NO _x) LAC 33:III.2201	EXEMPT – Boilers and industrial furnaces treating hazardous waste and regulated under 40 CFR Part 264, 265, or 266 are exempt from the provisions of this chapter.
	NSPS Subpart D – Standard of Performance for Steam Generating Units 40 CFR 60.40	DOES NOT APPLY – per 40 CFR 60.41 – Boiler was constructed prior to 1971.
	NESHAP Subpart DDDDD – National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters 40 CFR 63.7490 through 7575	EXEMPT – A boiler or process heater required to have a permit under Section 3005 of the Solid Waste Disposal Act or covered by 40 CFR Part 63 Subpart EEE is not subject to this subpart as per 40 CFR 63.7491(d).
	Compliance Assurance Monitoring 40 CFR 64	DOES NOT APPLY – Unit does not use a control device to achieve compliance with applicable emission limitations and/or standards.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT162	Emission Standards for Sulfur Dioxide – Emission Limitations LAC 33:III.1503	EXEMPT – Unit emit less than 250 tons of SO ₂ per year. Record and retain at the site for at least 2 years the data required to demonstrate compliance with or exemption from SO ₂ standards of Chapter 15. Compliance data shall be reported annually in accordance with LAC 33:III.918.
	Control of Emissions of Nitrogen Oxides (NO _x) LAC 33:III.2201	EXEMPT – Boilers and industrial furnaces treating hazardous waste and regulated under 40 CFR Part 264, 265, or 266 are exempt from the provisions of this chapter.
NESHAP	Subpart DDDDD – National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters 40 CFR 63.7490 through 7575	EXEMPT – A boiler or process heater required to have a permit under Section 3005 of the Solid Waste Disposal Act or covered by 40 CFR Part 63 Subpart EEE is not subject to this subpart as per 40 CFR 63.7491(d).
	Compliance Assurance Monitoring 40 CFR 64	DOES NOT APPLY – Unit does not use a control device to achieve compliance with applicable emission limitations and/or standards.
FUG009	Fugitive Emission Control for Ozone Non-attainment Areas LAC 33:III.2122	DOES NOT APPLY – The utilities Plant does not meet the definition of an affected source as per LAC 33:III.2122.A.1.
	NSPS Subpart VV – Equipment Leaks of VOC in the SOCMI 40 CFR 60.480	DOES NOT APPLY – The utilities Plant does not produce, as an intermediate or final product, any of the chemicals listed in Subpart VV.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

40 CFR PART 70 GENERAL CONDITIONS

2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu

40 CFR PART 70 GENERAL CONDITIONS

of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 - 5. changes in emissions would not qualify as a significant modification; and

40 CFR PART 70 GENERAL CONDITIONS

6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
 1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:

40 CFR PART 70 GENERAL CONDITIONS

1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.
- The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated February 27, 2003 and additional information dated March 6, 2003, January 26, 2007, and February 8, 2007
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
2. Report by September 30 to cover April through June
3. Report by December 31 to cover July through September
4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]
- These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.
- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:
- Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302
- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 2049 BASF Corp - Geismar Site

Activity Number: PER20030004

Permit Number: 2564-V2

Air - Title V Regular Permit Renewal

Also Known As:	ID	Name	User Group	Start Date
	1923606-001w	Tax Exempt No	Accident Prevention	11-20-1999
0180-00013	BASF Corp - Geismar Site	CDS Number	05-27-1993	
0180-0013	BASF Corp - Geismar Site	Emission Inventory	02-25-2004	
LADD040776809	BASF Corp	Hazardous Waste Notification	08-13-1980	
PMT/PCICA	GRPA Baselines	Hazardous Waste Permitting	10-01-1997	
00095	BASF Corp	Inactive & Abandoned Sites	06-09-1981	
LADD040776809	BASF Wyandotte Corp	Inactive & Abandoned Sites	06-09-1981	
LA0002950	LPDES #	LPDES Permit #	05-22-2003	
LAR10A929	LPDES #	LPDES Permit #	05-22-2003	
LAR10B055	LPDES #	LPDES Permit #	05-22-2003	
LAR10B264	LPDES #	LPDES Permit #	03-21-2003	
LAR10B444	LPDES #	LPDES Permit #	12-12-2004	
WP2101	LWDPS #	LWDPS Permit #	06-25-2003	
LA-2304-L01	Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006	
GD-005-1425	Radioactive Material License	Radiation License Number	11-03-2000	
104720	Site ID #	Solid Waste Facility No.	12-11-2000	
11412	BASF Corp	TEMPO Merge	05-17-2004	
16872	BASF Wyandotte	TEMPO Merge	10-30-2000	
19954	BASF Corp - Ecology	TEMPO Merge	12-11-2002	
3B802	BASF Wyandotte Corp Geismar Works Chem Div	TEMPO Merge	10-30-2000	
40717	BASF Corp	TEMPO Merge	10-30-2000	
49922	BASF Corp	TEMPO Merge	10-30-2000	
87014	BASF Wyandotte Corp	TEMPO Merge	08-23-2004	
0180-0013	Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-1991	
70734BSFCRRIVER	TRI #	Toxic Release Inventory	07-09-2004	
03000346	UST Facility ID (from UST legacy data)	Underground Storage Tanks	10-11-2002	
WQC 00831-04	BASF Corp - Site Drainage Improvements Phase 2	Water Certification	10-18-2000	
WQC 980504-02	Water Quality Certification #	Water Certification	12-03-2002	
WQC 990720-02	Water Quality Certification #	Water Certification	07-20-1999	
WQC RC 040914-03	Water Quality Certification # Tank Terminal & Road Project	Water Certification	09-15-2004	

Physical Location:

8404 River Rd (Hwy 75)

Geismar, LA 70734

Main Fax:

225392369

TPOR0148

Page 1 of 3

General Information

AI ID: 2049 BASF Corp - Geismar Site
 Activity Number: PER20030004
 Permit Number: 2564-V2
 Air - Title V Regular Permit Renewal

Mailing Address: PO Box 457
 Geismar, LA 707340457

Location of Front Gate: 30° 12' 37" 61 hundredths latitude, 91° 0' 54" 94 hundredths longitude, Coordinate Method: GPS Code (Psuedo Range) Differential, Coordinate Datum: NAD83

Main Phone: 2253397300

Mailing Address:

PO Box 457
 Geismar, LA 707340457

Location of Front Gate:

30° 12' 37" 61 hundredths latitude, 91° 0' 54" 94 hundredths longitude, Coordinate Method: GPS Code (Psuedo Range) Differential, Coordinate Datum: NAD83

Related People:	Name	Mailing Address	Phone (Type)	Relationship
Bryan Brooks	Bryan Brooks	PO Box 457 Geismar, LA 707340457	2253392963 (WP)	Accident Prevention Contact for
Bryan Brooks	Bryan Brooks	PO Box 457 Geismar, LA 707340457	2253392369 (WF)	Accident Prevention Contact for
Bryan Brooks	Bryan Brooks	PO Box 457 Geismar, LA 707340457	2253392963 (WP)	Accident Prevention Billing Party for
Bryan Brooks	Bryan Brooks	PO Box 457 Geismar, LA 707340457	2253392369 (WF)	Accident Prevention Billing Party for
Mike Cohen	Mike Cohen	PO Box 457 Geismar, LA 707340457	2253397300 (WP)	Responsible Official for
Eric Hillman	Eric Hillman	PO Box 457 Geismar, LA 707340457	2253392043 (WP)	Water Permit Contact For
Eric Hillman	Eric Hillman	PO Box 457 Geismar, LA 707340457	2253392369 (WF)	Solid Waste Billing Party for
Eric Hillman	Eric Hillman	PO Box 457 Geismar, LA 707340457	2253392369 (WF)	Water Permit Contact For
Eric Hillman	Eric Hillman	PO Box 457 Geismar, LA 707340457	2253392043 (WP)	Solid Waste Billing Party for
Eric Hillman	Eric Hillman	PO Box 457 Geismar, LA 707340457	2253392043 (WP)	Haz. Waste Billing Party for
Eric Hillman	Eric Hillman	PO Box 457 Geismar, LA 707340457	2253392043 (WP)	Water Billing Party for
Eric Hillman	Eric Hillman	PO Box 457 Geismar, LA 707340457	2253392369 (WF)	Water Billing Party for
Eric Hillman	Eric Hillman	PO Box 457 Geismar, LA 707340457	2253392369 (WF)	Haz. Waste Billing Party for
Tanner Martinez	Tanner Martinez	PO Box 457 Geismar, LA 707340457	2257153741 (CP)	Radiation Safety Officer for
Tanner Martinez	Tanner Martinez	PO Box 457 Geismar, LA 707340457	2257153741 (CP)	Radiation Safety Officer for
Tanner Martinez	Tanner Martinez	PO Box 457 Geismar, LA 707340457	2253397309 (WP)	Radiation License Billing Party for
Tanner Martinez	Tanner Martinez	PO Box 457 Geismar, LA 707340457	2253392369 (WF)	Radiation License Billing Party for
Tanner Martinez	Tanner Martinez	PO Box 457 Geismar, LA 707340457	2253397309 (WP)	Radiation Safety Officer for
Craig Tyndall	Craig Tyndall	PO Box 457 Geismar, LA 707340457	2253392416 (WP)	Emission Inventory Contact for
Craig Tyndall	Craig Tyndall	PO Box 457 Geismar, LA 707340457	2253392369 (WF)	Emission Inventory Contact for
Craig Tyndall	Craig Tyndall	PO Box 457 Geismar, LA 707340457	JAMES.TYNDALL@ 8687 United Plaza Blvd Baton Rouge, LA 70809	Emission Inventory Contact for
Related Organizations:	Name	Address	Phone (Type)	Relationship
BASF Corp	BASF Corp	PO Box 457 Geismar, LA 707340457	2253397300 (WP)	Owns
BASF Corp	BASF Corp	PO Box 457 Geismar, LA 707340457	2253397300 (WP)	Air Billing Party for
BASF Corp	BASF Corp	PO Box 457 Geismar, LA 707340457	2253397300 (WP)	UST Billing Party for
BASF Corp	BASF Corp	PO Box 457 Geismar, LA 707340457	2253397300 (WP)	Operates
Turner Industrial LLC				Agent of Service for

General Information

AI ID: 2049 BASF Corp - Geismar Site
Activity Number: PER20030004
Permit Number: 2564-V2
Air - Title V Regular Permit Renewal

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit.
Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 2049 - BASF Corp - Geismar Site
 Activity Number: PER20030004
 Permit Number: 2564-V2
 Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT161	UTL15 - No.3 Boiler	285.3 MM BTU/hr	2365 MM BTU/hr	2365 MM BTU/hr		8760 hr/yr (All Year)
EQT162	UTL16 - No.6 Boiler	285.3 MM BTU/hr	2602 MM BTU/hr	2602 MM BTU/hr		8760 hr/yr (All Year)
FUGD09	UTL18 - Boilers No. 3 & No. 6 Fugitives					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP075	Entire Facility	EQT161 UTL15 - No.3 Boiler
GRP075	Entire Facility	EQT162 UTL16 - No.6 Boiler
GRP075	Entire Facility	FUGD09 UTL18 - Boilers No. 3 & No. 6 Fugitives

Relationships:Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT161	48.2	82050		32.3	75	400
EQT162	28.8	86928	50.59		59	337

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP075	1	MM BTU/Hr	1533 - Non-Commercial Hazardous Waste Incinerators (Thermal Capacity)

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2049 - BASF Corp - Geismar Site

Activity Number: PER20030004

Permit Number: 2564-V2

Air - Title V Regular Permit Renewal

All phases

Subject Item	2,4-Toluene diamine			Formaldehyde			Methanol			Sulfur Trioxide			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 161 URL15				0.02	0.02	0.09	1.01	1.01	4.41	<	0.01	3.99	0.03	0.49	0.49
EQT 162 URL16	0.46	0.46	2.03	0.02	0.02	0.02	0.1	0.32	0.32	1.42	0.01	3.99	0.03	0.53	0.53
FUG 009 URL18	0.03	0.03	0.15												2.34

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

All ID: 2049 - BASF Corp - Geismar Site
 Activity Number: PER20030004
 Permit Number: 2564-V2
 Air - Title V Regular Permit Renewal

All phases

Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 161 URL15	0.49	0.49	2.13			
EQT 162 URL16	0.16	0.16	0.69	< 0.01	< 0.01	0.02
FUG 009 URL18				< 0.001	< 0.001	< 0.01

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

2,4-Toluene diamine: 2.18 tons/yr
 Formaldehyde: 0.19 tons/yr
 Methanol: 5.83 tons/yr
 n-butyl alcohol: 2.82 tons/yr
 n-Hexane: 4.47 tons/yr
 ortho-Toluidine: 0.02 tons/yr
 Sulfur Trioxide: 0.06 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 2049 - BASF Corp - Geismar Site
Activity Number: PER20030004
Permit Number: 2564-V2
Air - Title V Regular Permit Renewal

EQT161 UTL15 - No.3 Boiler

- 1 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
- 2 Which Months: All Year Statistical Basis: None specified
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:II.1311.C]
- 3 Which Months: All Year Statistical Basis: Six-minute average
Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 4 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]
- 5 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]
- 6 Permittee shall burn No. 2 and/or No. 6 fuel oil with Sulfur <= 0.70 % by weight content. Fuel oil to be burned only when natural gas becomes unavailable or economically infeasible. [LAC 33:III.501.C.6]
- 7 Permittee shall report the date and reasons for a change to fuel oil to the Office of Environmental Compliance, Enforcement Division within ten (10) days of the change. a record of the fuel oil usage and calculated emissions shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:II.501.C.6]
- 8 A report listing fuel oil usage and calculated emissions from the boiler shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 1 for the preceding calendar year. [LAC 33:III.501.C.6]
- 9 If the boiler is fired with fuel oil for more than 720 hours in any ninety (90) consecutive days, permittee shall test the boiler at maximum fuel oil firing rate. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 5 - Determination of Particulate Emissions from Stationary Sources, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources, and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. [LAC 33:III.501.C.6]
- 10 Owner or operator is authorized to annually test fire the boiler using fuel oil for a period of 12 hours per year. Emissions during this test period will be considered as a miscellaneous routine activity under General Conditions XVII. Permittee will notify the Office of Environmental Compliance, Enforcement Division prior to beginning fuel oil testing. [LAC 33:III.501.C.6]
- 11 Submit notification: Due to the permitting authority prior to changing scenarios. Include in the notification a description of the proposed action, the rate of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction prior to the commencement of operation and in accordance with the procedures of LAC 33:III. Chapter 5. [LAC 33:III.501.C.6]
- 12 Conduct a performance/emissions test: Due within 180 days from the date of issuance of this permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources, and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

SPECIFIC REQUIREMENTS**AI ID: 2049 - BASF Corp - Geismar Site****Activity Number: PER20030004****Permit Number: 2564-V2****Air - Title V Regular Permit Renewal****EQT161 UTL15 - No.3 Boiler**

- 13 Conduct a performance/emissions test: Due within 180 days from the date of issuance of this permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; Method 6C - Determination of Sulfur Dioxide Emissions From Stationary Sources (Instrumental Analyzer Procedure); and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.91.3, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]
- 14 Comprehensive Toxic Air Pollutant Emission Control Program - Compliance with 40 CFR 63 Subpart EEE is considered MACT. [LAC 33:III.5109.A]
- 15 BASF will comply with the thermal based or concentration based emission standards for carbon monoxide, hydrocarbons, mercury, cadmium/lead, chromium, particulate matter, and HCl/chlorine. The compliance date is October 14, 2008. Subpart EEE. [40 CFR 63.1200]

EQT162 UTL16 - No.6 Boiler

- 16 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
- Which Months: All Year Statistical Basis: None specified
- 17 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 18 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 19 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]
- 20 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]
- 21 Permittee shall burn No. 2 and/or No.6 fuel oil with Sulfur <= 0.70 % by weight content. Fuel oil to be burned only when natural gas becomes unavailable or economically infeasible. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Average
- 22 Submit notification: Due to the permitting authority prior to changing scenarios. Include in the notification a description of the proposed action, the rate of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction prior to the commencement of operation and in accordance with the procedures of LAC 33:III.Chapter 5. [LAC 33:III.501.C.6]
- 23 If the boiler is fired with fuel oil for more than 720 hours in any ninety (90) consecutive days, permittee shall test the boiler at maximum fuel oil firing rate. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 5 - Determination of Particulate Emissions from Stationary Sources, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources, and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. [LAC 33:III.501.C.6]
- 24 Permittee shall report the date and reasons for a change to fuel oil to the Office of Environmental Compliance, Enforcement Division within ten (10) days of the change. a record of the fuel oil usage and calculated emissions shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

SPECIFIC REQUIREMENTS**AI ID: 2049 - BASF Corp - Geismar Site****Activity Number: PER20030004****Permit Number: 2564-V2****Air - Title V Regular Permit Renewal****EQT162****UTL16 - No.6 Boiler**

- 25 A report listing fuel oil usage and calculated emissions from the boiler shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 1 for the preceding calendar year. [LAC 33:III.501.C.6]
- 26 Owner or operator is authorized to annually test fire the boiler using fuel oil for a period of three (3) hours per year. Emissions during this test period will be considered as a miscellaneous routine activity under General Conditions XVII. Permittee will notify the Office of Environmental Compliance, Enforcement Division prior to beginning fuel oil testing. [LAC 33:III.501.C.6]
- 27 Conduct a performance/emissions test: Due within 180 days from the date of issuance of this permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources, and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]
- 28 Conduct a performance/emissions test: Due within 180 days from the date of issuance of this permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; Method 6C - Determination of Sulfur Dioxide Emissions From Stationary Sources (Instrumental Analyzer Procedure); and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]
- 29 Comprehensive Toxic Air Pollutant Emission Control Program - Compliance with 40 CFR 63 Subpart EEE is considered MACT. [LAC 33:III.5109.A]
- 30 Particulate matter (10 microns or less) <= 0.10lb/MMBTU (43 nanograms per joule) heat input derived from fossil fuel or fossil fuel and wood residue. Subpart D. [40 CFR 60.42(a)(1)]
- Which Months: All Year Statistical Basis: None specified
- 31 Opacity <= 20 percent except for one six-minute period per hour of not more than 27 percent opacity. Subpart D. [40 CFR 60.42(a)(2)]
- Which Months: All Year Statistical Basis: Six-minute average
- 32 Sulfur dioxide <= 0.20 lb/MMBTU. Subpart D. [40 CFR 60.43]
- Which Months: All Year Statistical Basis: None specified
- 33 Nitrogen oxides <= 0.20 lb/MMBTU. Subpart D. [40 CFR 60.44]
- Which Months: All Year Statistical Basis: None specified
- 34 Performance test demonstrates that NOx emissions are less than 70% of applicable standard when burning fossil fuels. Therefore a CMS for NOx is not required per 40 CFR 60.45(b)(3) Subpart D. [40 CFR 60.45(a)]
- 35 Submit excess emission and monitoring system performance reports: Due semiannually for each six-month period in the calendar year. Postmark all semiannual reports by the 30th day following the end of each six-month period. Include the information required in 40 CFR 60.7(c). Subpart D. [40 CFR 60.45(g)]
- 36 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
- Which Months: All Year Statistical Basis: None specified
- 37 Conduct the performance tests required in 40 CFR 60.8 using as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.46, except as provided in 40 CFR 60.8(b). Subpart D. [40 CFR 60.46(a)]
- 38 BASF will comply with the thermal based or concentration based emission standards for carbon monoxide, hydrocarbons, mercury, cadmium/lead, chromium, particulate matter, and HCl/chlorine. The compliance date is October 14, 2008. Subpart EEE. [40 CFR 63.1200]

SPECIFIC REQUIREMENTS

AI ID: 2049 - BASF Corp - Geismar Site

Activity Number: PER20030004

Permit Number: 2564-V2

Air - Title V Regular Permit Renewal

FUG009 UT118 - Boilers No. 3 & No. 6 Fugitives

39 2,4-Toluene diamine is a Class II TAP Monitor for leaks in accordance with RCRA Subpart BB. Determined as MACT. [LAC 33:III.5109.A]

GRP075**Entire Facility**

- 40 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]
- 41 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]
- 42 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.3.A.1-5. [LAC 33:III.2113.A]
- 43 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.2119]
- 44 Submit permit application. Due prior to construction, reconstruction or modification unless otherwise provided in LAC 33:III. Chapter 5. Submit a timely and complete permit application to the Office of Environmental Services, Air Permits Division, as required in accordance with the procedures in LAC 33:III. Chapter 5. [LAC 33:III.501.C.1]
- 45 Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HR VOC), which include 1,3-Butadiene, Butene, cis-2-Butene, Ethylene, Propylene, Toluene, Xylene, m/p-Xylene, o-Xylene. (State Only). [LAC 33:III.501.C.6]
- 46 Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. (State Only). [LAC 33:III.501.C.6]
- 47 Carbon monoxide <= 208.95 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 48 ortho-Toluidine <= 0.02 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 49 VOC, Total <= 15.94 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 50 Formaldehyde <= 0.19 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 51 Methanol <= 5.83 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 52 n-butyl alcohol <= 2.82 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 53 n-Hexane <= 4.47 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 54 Nitrogen oxides <= 453.76 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 55 Particulate matter (10 microns or less) <= 21.73 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS**AI ID: 2049 - BASF Corp - Geismar Site****Activity Number: PER20030004****Permit Number: 2564-V2****Air - Title V Regular Permit Renewal****GRP075 Entire Facility**

- 56 Sulfur dioxide <= 1.49 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 57 Sulfur Trioxide <= 0.06 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 58 2,4-Toluene diamine <= 2.18 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 59 Any major source as defined in LAC 33:III.502 is designated a Part 70 source and is required to obtain a permit which will meet the requirements of LAC 33:III.507. [LAC 33:III.507.A.1.a]
- 60 Any affected source, as defined in LAC 33:III.502, pursuant to the acid rain provisions of title IV of the federal Clean Air Act is designated a Part 70 source and is required to obtain a permit which will meet the requirements of LAC 33:III.507. [LAC 33:III.507.A.1.d]
- 61 No Part 70 source may operate after the time that the owner or operator of such source is required to submit a permit application under Subsection C of this Section, unless an application has been submitted by the submittal deadline and such application provides information addressing all applicable sections of the application form and has been certified as complete in accordance with LAC 33:III.517.B.1. No Part 70 source may operate after the deadline provided for supplying additional information requested by the permitting authority under LAC 33:III.519, unless such additional information has been submitted within the time specified by the permitting authority. Permits issued to the Part 70 source under this Section shall include the elements required by 40 CFR 70.6. The Louisiana Department of Environmental Quality hereby adopts and incorporates by reference the provisions of 40 CFR 70.6(a), as in effect on July 21, 1992. Upon issuance of the permit, the Part 70 source shall be operated in compliance with all terms and conditions of the permit. Noncompliance with any federally applicable term or condition of the permit shall constitute a violation of the Clean Air Act and shall be grounds for enforcement action; for permit termination, revocation and resuscance, or revision; or for denial of a permit renewal application. [LAC 33:III.507.B.2]
- 62 Any source that becomes subject to the requirements of LAC 33:III.507 after the effective date of the Louisiana Part 70 program due to regulations promulgated by the Environmental Protection Agency or by the Department of Environmental Services, Air Permits Division, in accordance with the requirements established by the applicable regulation. In no case shall the required application be submitted later than one year from the date on which the source first becomes subject to LAC 33:III.507. [LAC 33:III.507.C.3]
- 63 Any permit application to renew an existing permit shall be submitted at least six months prior to the date of permit expiration, or at such earlier time as may be required by the existing permit or approved by the permitting authority. In no event shall the application for permit renewal be submitted more than 18 months before the date of permit expiration. [LAC 33:III.507.E.4]
- 64 No major stationary source or major modification to which the requirements of this Part apply shall begin actual construction without a permit issued under this Section. [LAC 33:III.509.I.1]
- 65 A major stationary source or major modification shall meet each applicable emissions limitation under the Louisiana State Implementation Plan and each applicable emissions standard and standard of performance under the Louisiana New Source Performance Standards (LNSPS) and Louisiana Emission Standards for Hazardous Air Pollutants (LEHAP) and Sections 111 and 112 of the Clean Air Act. [LAC 33:III.509.I.1]
- 66 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.5105.A.1 without first obtaining written authorization from DEQ in accordance with LAC 33:III. Chapter 51. Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]
- 67 Do not cause a violation of any ambient air standard listed in LAC 33:III. Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]
- 68 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]
- 69 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III. Chapter 51. Subchapter A. [LAC 33:III.5105.A.4]
- 70 Submit initial annual emissions report (TEDI) to DEQ within 180 days of December 20, 1991. Identify the quantity of emissions of toxic air pollutants listed in Table 51.1 for the calendar year 1991. [LAC 33:III.5107.A.1]

SPECIFIC REQUIREMENTS

AI ID: 2049 - BASF Corp - Geismar Site
Activity Number: PER20030004
Permit Number: 2564-V2
Air - Title V Regular Permit Renewal

GRP075 Entire Facility

- 71 Submit Annual Emissions Report (TED): Due annually, by the 1st of July, to the Office of Environmental Assessment, Air Quality Assessment Division, in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]
- 72 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]
- 73 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]
- 74 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.1.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.1.3923. [LAC 33:III.5107.B.2]
- 75 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.1.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:III.1.3923. [LAC 33:III.5107.B.3]
- 76 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii. [LAC 33:III.5107.B.4]
- 77 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]
- 78 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]
- 79 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]
- 80 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112. Table 51.2. [LAC 33:III.5109.B]
- 81 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]
- 82 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:III.1.1701, before commencement of the construction of any new source. [LAC 33:III.5111.A.1]
- 83 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]

SPECIFIC REQUIREMENTS

AI ID: 2049 - BASF Corp - Geismar Site
Activity Number: PER20030004
Permit Number: 2564-V2
Air - Title V Regular Permit Renewal

GRP075 Entire Facility

- 84 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.511.A]
- 85 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.511.B.1]
- 86 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.511.B.1]
- 87 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.511.B.2]
- 88 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.511.B.3]
- 89 Provide emission testing facilities as specified in LAC 33:III.511.B.4.a through e. [LAC 33:III.511.B.4]
- 90 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.511.B.5]
- 91 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.511.B.6]
- 92 Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.511.B.7]
- 93 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.511.C.1]
- 94 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.511.C.2]
- 95 Submit performance evaluation report: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 60 days of the monitoring system performance evaluation. [LAC 33:III.511.C.2]
- 96 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.511.C.2]
- 97 Install a monitoring system on each effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.511.C.3]
- 98 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.511.C.5.a]
- 99 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.511.C.5.a]
- 100 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.511.C.5.d]
- 101 Collect and reduce all data as specified in LAC 33:III.511.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.511.C.5.e]
- 102 Submit plan: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.511.C.5]

SPECIFIC REQUIREMENTS**AI ID:** 2049 - BASF Corp - Geismar Site**Activity Number:** PER20030004**Permit Number:** 2564-V2**Air - Title V Regular Permit Renewal****GRP075****Entire Facility**

- 103 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 104 Submit permit application: Due prior to commencement of construction, reconstruction, or modification of the source, for new or modified sources. Do not commence construction, reconstruction, or modification of any source required to be permitted under LAC 33:III.Chapter 5 prior to approval by the permitting authority. [LAC 33:III.517.A.1]
- 105 Submit permit application: Due by the date established for submittal in accordance with LAC 33:III.507.C. The permit application is for an initial permit to be issued in accordance with LAC 33:III.507. Provide a copy of each permit application pertaining to a major Part 70 source to EPA at the time of application submittal to the permitting authority. [LAC 33:III.517.A.2]
- 106 Any application form, report, or compliance certification submitted under this Chapter shall contain certification by a responsible official of truth, accuracy, and completeness. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information contained in the application are true, accurate, and complete. [LAC 33:III.517.B.1]
- 107 Submit supplementary facts or corrected information: Due promptly upon becoming aware of failure to submit or incorrect submittal regarding permit applications. In addition, provide information as necessary to address any requirements that become applicable to the source after the date of filing a complete application but prior to release of a proposed permit. [LAC 33:III.517.C]
- 108 Submit applications for permits in accordance with forms and guidance provided by the DEQ. At a minimum, each permit application submitted under LAC 33:III.Chapter 5 shall contain the information specified in LAC 33:III.517.D, subparagraphs 1-18. [LAC 33:III.517.D]
- 109 In addition to those elements listed under LAC 33:III.517.D, include in each application pertaining to a Part 70 source the information specified in LAC 33:III.517.E,
- 110 Submit change of ownership notification in accordance with LAC 33:III.Chapter 19. [LAC 33:III.517.G]
- 111 Submit permit modification application: Due within 45 days of obtaining relevant test results. The permit modification or amendment shall include all information necessary to process the request, and is required if testing demonstrates that the terms and conditions of the existing permit are inappropriate or inaccurate. [LAC 33:III.523.A]
- 112 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
- 113 Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
- 114 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
- 115 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 116 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]
- 117 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.5611.B]
- 118 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]
- 119 Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division. [LAC 33:III.5911.A]
- 120 Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate. [LAC 33:III.5911.C]

SPECIFIC REQUIREMENTS

AI ID: 2049 - BASF Corp - Geismar Site
Activity Number: PER20030004
Permit Number: 2564-V2
Air - Title V Regular Permit Renewal

GRP075**Entire Facility**

- 121 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919 A-D. [LAC 33:III.919 D]
- 122 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]
- 123 Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)]
- 124 Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M. [40 CFR 61.148]
- 125 Benzene < 1 Mg/yr (1.1 ton/yr) total quantity. Subpart FF. [40 CFR 61.342(d)(2)(i)]
- 126 Benzene All Year Statistical Basis: None specified
- 127 Benzene <= 6 Mg/yr (6.6 ton/yr), as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)(2)(i)]
- 128 Which Months: All Year Statistical Basis: None specified
- 129 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]
- 130 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 131 Submit report: Due within 90 days after January 7, 1993. Submit a report that summarizes the regulatory status of each waste stream subject to 40 CFR 61.342 and is determined by the procedures specified in 40 CFR 61.355(c) to contain benzene. Include the information specified in 40 CFR 61.357(a)(1) through (a)(4). If there is no benzene onsite in wastes, products, by-products, or intermediates, submit an initial report that is a statement to this effect. Subpart FF. [40 CFR 61.357(a)]
- 132 Owner or operator shall prepare and submit a copy of the Risk Management Plan as specified in 40 CFR 68.150. The plan will be updated and resubmitted as appropriate. [40 CFR 68.150]
- 133 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 134 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 135 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 136 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]